Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Sunday 19 Dec 2021 until 23:59 on Monday 20 Dec 2021

Forecast Issued on Sunday 19 Dec 2021 at 02:55

Confidence: High for largely settled and dry conditions through the coming days but low for cloud details and possible return to more unsettled conditions later in week.

Headline for Sunday 19 Dec 2021: Sunny on tops but low cloud, mist and fog lingering at low levels. Thicker cloud spreading west later.

Mountain weather hazards on Sunday 19 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Sunny	Sunny	Dull	Dull	Dull
Precipitation probability					
00%	00%	00%	<05%	10%	20%

Forecast for Sunday 19 Dec 2021

Weather: Sunny and mild on the hills above 300m with tops in a temperature inversion. Beneath this level, low cloud, mist and fog patches are likely to be slow to clear through the day but gradually lifting. Become more generally cloudy through the late afternoon and evening, but some western hills staying clear. Outbreaks of drizzle spreading west through the evening.

Chance of cloud free mountain/hill tops above 600m: 100% falling to 60% in the east in the late afternoon, although lower slopes likely to be affected by low cloud.

Visibility: Rather hazy below the cloud, and less than 100m in cloud or low level fog. Above 300m visibility generally excellent but becoming hazy and then very poor across eastern hills as cloud thickens later.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Sunday 19 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/5 N	4/6 NE	6/8 NE	7/10 NE	9/15 E	11/17 NE	9/15 NE
300	3/6 N	4/7 N	4/7 NE	6/9 NE	6/15 NE	7/15 NE	6/14 E
Valley	1/2 E	1/4 E	1/4 NE	3/5 E	5/9 E	6/13 E	5/11 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/9	8/8	6/3	3/0	1/-3	1/-4	1/-3
300	5/4	5/4	6/5	4/1	2/-1	2/-1	3/0
Valley	4/3	2/1	6/5	5/3	3/0	3/-0	2/0
Freezing Level*	1700m	1600m	1700m	1700m	1400m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong temperature inversion with maximum temperatures around plus 10 or 11 Celsius above 450m.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 19 Dec 2021	0.2mm	0.4mm	0.4mm

Forecast for Monday 20 Dec 2021

Weather: Some clearer spells at first in the west, but generally a cloudier day, perhaps some of the higher peaks poking through the cloud at times as the temperature inversion rises. Outbreaks of drizzle, with some light snow showers developing on the summits, especially over more eastern hills. Chance of icy conditions developing on slopes above 600m due to rain into a sub-zero layer.

Maximum wind: Easterly 10mph

Chance of cloud free mountain/hill tops above 600m: Close to zero, only a small chance of higher summits poking out above the cloud.

Visibility: Periods of persistent cloud above 400m with rather hazy visibility below.

Temperature: **Valleys:** Plus 2 Celsius rising to Plus 5 Celsius.
At 600m: Plus 3 Celsius falling to around Zero later.
Freezing level: Above the summits, although shallow sub-zero layer may develop around 500-700m

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